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PART II

Statutory Notifications, (S.R.O.)

GOVERNMENT OF PAKISTAN

MINISTRY OF WATER AND POWER

NOTIFICATION

Islamabad, the 8th July, 1987

S.R.O. 568(I)/87.– In exercise of the powers conferred by section 25 of the Pakistan Engineering Council Act, 1975 (V of 1976), the Executive Committee of the Council, with the previous sanction of the Federal Government, is pleased to make the following bye-laws namely: –

1. Short title, application and commencement; – (1) These bye-laws may be called the Construction and Operation of Engineering Works Bye-laws, 1987.

(2) They shall apply to: –

(a) all engineering works; except the works valuing less than four million rupees;

(b) Pakistani operators and foreign operators of all engineering projects requiring running and operation on a continuing basis;

(c) clients and employers who employ constructors and operators for any engineering work in their charge; and

(d) All Pakistani constructors and foreign constructors licensed as such by the Council.

(3) They shall come into force at once.

2. Definitions.– In these bye-laws, unless there is anything repugnant in the subject or context, –

(a) "Act" means the Pakistan Engineering Council Act, 1975 (V of 1976);

(aa) "application or application form" means the form as prescribed in Appendix A to these bye-laws;

(b) "client/employer" means any person, corporate body, engineering public organization or any other agency who wishes to have an engineering works constructed through a contractor;

(c) "completion date" shall mean the date on which the construction of project is completed as per construction contract;

(d) "construction" of any engineering work shall also mean to include surveys, sub-soil and other investigations, erection, installation, testing and commissioning and execution of all activities required to achieve the desired final shape of an engineering work, and shall also include extension remodeling, rebuilding and repair works and all other works incidental thereto;

(e) "construction contract" means the contract under which the constructor promise to complete the project undertaken by him through prime contract, sub-contract, commission or in any other form of contract regardless of the appellation thereof, and the other party promises to duly effect the payment for such project executed by the said constructor;

(ea) "Council" means the Pakistan Engineering Council;

(f) "constructor" means any person, partnership, corporate body or other legal entity incorporated under the laws of Pakistan and registered or licensed as such by the Council;

(fa) "foreign constructor or foreign operator" means an enterprise incorporated or registered as a constructor or operator outside Pakistan; irrespective of its membership by Pakistani nationals;

(g) "licence" means a licence granted by the Council under these bye-laws permitting a licensee to construct or operate projects of the category as specified in the licence for a specified period;

(h) "maintenance" includes all activities executed after the completion date of construction and during the maintenance period as specified in the

construction contract or during a period of twelve months after the completion date of construction;

(i) "operation" means the supervision and management of running, operation and execution of all activities required to efficiently operate a project after it is constructed by a constructor in order to achieve the aims and objectives of the project;

(j) "operator" means any person, partnership, corporate body or other legal entity registered or licensed as such by the Council;

(ja) "Pakistani constructor or Pakistani operator" means an enterprise fully owned by one or more Pakistani nationals or any enterprise incorporated with the Securities and Exchange Commission of Pakistan and having seventy *per cent* of its engineering staff from Pakistan;

(k) "prime contractor or constructor" means the contractor or constructor who has been awarded a construction contract for a project by the client or employer;

(kk) "professional credit points (pcp)" means the professional credit points earned by a person, or by an organization on the basis of professional strength and are computed in the manner prescribed in these bye-laws;

(l) "project or work" means an engineering work constructed and maintained by a constructor either through a contract with a client or employer or otherwise or a completed engineering work operated by an operator;

(m) "sub-contract" means the contract for a work which is concluded by and between the prime contractor and the other contractor to sublet a portion of such project undertaken by the former within the provision of the main contract;

(n) "sub-contractor" means the constructor who is undertaking a portion of the work sublet by the prime contractor;

(o) "undertaking" means the undertaking from the engineer as prescribed in Appendix B to these byelaws.

3. Engineering Work.– No engineering work shall be constructed except by a constructor or operated except by an operator licensed as such by the Council.

4. Licences.– (1) All constructor's and operator's licences shall be issued by the Council on the form prescribed in Appendix C on the basis of professional engineering content of the constructors' or operators' organizations in accordance with the procedure laid down in these bye-laws.

(2) The licence issued to the constructor or operator shall specifically mention the type of work that the constructor or operator can undertake according to disciplines shown in the application form prescribed in Appendix A.

(3) The constructor or operator enlisted in a particular field or discipline shall be allowed to undertake work of other disciplines up to twenty-five *per cent* of the amount of limit of category in which he is entitled.

(4) A licence granted by the Council shall entitle a licensee to perform an engineering work for client or employer. However, the client or employer may prescribe his own requirements over and above the requirements for licence prescribed by the Council, particularly in respect of financial soundness, plant and equipment capability, previous experience, business management capabilities and specific expertise which in the opinion of a client or employer, is essential for the execution of the work. A licencee shall be eligible to apply for prequalification even if he is not enlisted or registered with the client or employer. The grant of licence by the Council shall not absolve the licensee from application of any building control laws and other codes that are applicable to the engineering works.

(5) Application for enlistment or renewal of constructors or operators in any category shall contain the following documents, namely:

(a) A financial certificate in favour of the firm from any scheduled bank:

(b) A list of works executed by the company or chief executive or proof of sufficient experience of his engineers in previous years indicating value of projects, name of employers and certificates of satisfactory completion by the respective employers;

(c) List of works in progress indicating cost of work and copy of letter of intent or agreement of each project (for C-A, C-B, and C-1 categories);

(d) Organizational chart of the firm showing chain of command;

(e) List of technical and other staff members;

(f) Curriculum vitaes of technical staff along with National Identity Card Number and National Tax Number if any;

(g) Statement showing employment by the constructor or operator of at least two professional engineers having minimum experience of twenty, fifteen and ten years in C-A, C-B and C-1 category respectively or at least one

professional engineer in C-2, C-3 category, in the same discipline in which the constructor or operator desires to be entitled;

(h) List of plants and equipment along with the make and year of procurement.

(6) No constructor's or operator's licence shall be granted by the Council to such persons, firm and companies who:

(a) are declared bankrupt and are not rehabilitated;

(b) are adjudged incompetent or quasi-competent by the Council based on the criteria specified in Table A and B in the succeeding clause.

(c) have acted in a manner such that their previous licence has been cancelled for any reason whatsoever until the Council is satisfied that the causes of previous cancellation of licence have been removed;

(d) have been dismissed at any time from employment for corruption, fraud or moral turpitude;

(e) have committed professional misconduct;

(f) violate the conditions and limitations prescribed by the licence and the requirements of professional content of the licensee's organisation as prescribed: and

(g) fail to pay the prescribed licence fees or the charges for violations in accordance with these bye-laws:

Provided that the persons who are directors of such companies, which are under liquidation, shall not be affected by the provisions of this bye-law unless such persons, as individuals, are declared to be bankrupt.

(7) On receipt of an application for issue of constructor’s or operator's licence and after satisfying itself on making any inquiries that it may deem necessary, the Council may issue a licence to the applicant as constructor or operator, as the case may be, in anyone of the categories as specified in Table 'A' or, as the case may be, Table 'B’ provided that the applicant has fulfilled all the requirements laid down in these bye-laws and has earned the prescribed professional credit points for such category on the date of application.

(1)

TABLE 'A'
CONSTRUCTOR'S CATEGORIES

Constructor's Category	Limit of Construction cost of project (million rupees)	Paid up capital or net/capital worth (million rupees)	Minimum requirement of professional credit points (pcp credit)
(1)	(2)	(3)	(4)
C-A	No limit	100	150
C-B	Up to 3000	80	100
C-1	Up to 1800	60	75
C-2	Up to 800	40	30
C-3	Up to 400	20	15
C-4	Up to 150	4.0	10
C-5	Up to 50	2.0	5
C-6	Up to 20	1.0	5

Note:- Construction cost of a project shall exclude cost of land, plant and machinery permanently installed in the works but shall include cost of deliverable erection, installation, testing and commissioning.

(a) The applicant shall be required to submit information and other relevant documents such as details of movable and immovable assets, income tax returns for the last three years and Bank Statement for evaluation or assessment of their credentials as and when required by the Enrolment Committee.

(b) The owners of firm or company shall be responsible to submit authenticated information and documents along with application for registration, renewal or upgradation of their licence.

(2)

TABLE 'B'
OPERATOR'S CATEGORIES

Operator's Category	Limit of capital cost of project (million rupees)	Paid up capital or net/capital worth (million rupees)	Minimum requirement of professional credit points (pcp credit)
(1)	(2)	(3)	(4)
O-A	No limit	300	120
O-B	Up to 1500	50	75
O-1	Up to 900	20	50
O-2	Up to 400	15	30
O-3	Up to 150	5	15
O-4	Up to 75	2.5	10
O-5	Up to 30	1.5	5
O-6	Up to 15	1	5

Note:- Capital costs of projects and other values in the Table 'B' are based on the value of the operator's fees.

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(1) & (2) Substituted vide SRO 344(I)/2013 dated 23-4-2013

(8) Grant of licence to a licensee shall, subject to fulfillment of requirements of bye-law (9), entitle him to construct or operate a project, as the case may be, the total construction and capital cost of which does not exceed the construction and capital cost limited by category of his licence. Number of projects that the licensee can apply, tender for or operate shall be unlimited as long as construction and capital cost of each such project falls within the licensee's category.

(9) Grant of licence to a licensee shall oblige him to report to the Council if at any time he undertakes to construct or operate more than one project which results in aggregate construction and capital cost of the projects undertaken exceed the construction and capital cost of a single project permitted by the category of his licence. In his report the licensee shall also give the details of actions taken by him to fulfill the requirements of clause (4) of bye-law 5.

(10) Two or more licensees can apply jointly to construct or operate a project of a category higher than the category of their individual licences provided that the cost of such project does not exceed the sum total of the limit of costs of projects permitted by the categories of the individual licensees. No separate licence for such joint venture shall be required under these bye-laws provided that the joint venture fulfills all other requirements of these bye-laws concerning such a project.

(11) On fulfillment of conditions set out in clause (2) of bye-law 7 and submission of the relevant documents mentioned below, the foreign constructor or foreign operator, if interested in bidding-negotiation for any project, shall obtain a licence as prescribed in clause (4) upon depositing the requisite processing fee for that specific project on Form PEC-5C as prescribed in Appendix 'D' namely:

i. licence issued by the Council to the Pakistani constructor or Pakistani operator;

ii. joint venture or association agreement of the parties specifying shares of each party; and

iii. brief descriptions and scope of work for which the association or joint venture intends to participate in bidding.

5. Computation of professional credit points. – (1) Five pcps shall be earned by each "registered engineer", one pcp shall be allowed for each year of experience to professional engineers engaged in the construction and operation of engineering works from the date of passing B.Sc Engg or B.E. degree subject to minimum of 10 pcps and maximum of 30 pcps. However, pcps beyond 65 years of age be reduced at following scale: –

(i) 65 – 75 years .. .. 1 pcp/year;

(ii) 75 – 80 years .. .. 2 pcp/year; and

(iii) above 80 years .. .. 5 pcp/year

An undertaking on form at Appendix 'B' about the employment of the Engineer shall be annexed with application.

(2) Those applicants/licensees who have in their permanent employment professional engineers registered with PEC other than partners and shareholders having more than 15 percent share, who have continuity of service in the applicant's organisation of more than 10 years will be entitled to bonus professional credit points as follows:-

For every professional engineer employed without break for Bonus pcp credit.

10 – 14 years	2
15 – 19 years	4
20 – 24 years	8
25 years and over	12

(2A) Extra points for postgraduate engineers and those who have paid membership fee for life shall also be allowed as under:-

(a) MS / ME	2 points.
(b) Ph.D. / D.E.	4 points.
(c) Fee paid for life.	1 point.

(3) Applicants having professional engineers as their owners, partners or shareholders shall be entitled to extra bonus professional credit points as follows:

Equity of professional engineers	*Extra bonus pcp credit*
10 – 19%	05
20 – 49%	10
50 – 74%	15
75% and over	20

Provided that extra bonus professional credit points shall not exceed the pcp earned for the year of experience as per clause (1).

(4) Regardless of the category, the licence granted by the Council obliges every licensee to maintain such professional engineering strength to manage the projects at hand that he has at all times a pcp credit of:-

(i) in the case of constructor, one point for every twenty million rupees construction cost of projects in hand at any time, or the minimum requirement of pcp credit prescribed for the category of his licence, whichever is more; and

(ii) in the case of an operator, one point for every twenty million rupees cost of projects in hand at any time or the minimum requirement of pcp credit prescribed for the category of his licence, whichever is more.

(5) For computation of pcp credit as per bye-law 5(4) above, the aggregate professional experience in terms of full years of all professional engineers employed by the licensee on full time basis shall be counted as professional credit points to the credit of the licensee at the time. Part timers shall be omitted from the computation. For the purpose of computing the construction and capital cost of projects, the total costs of all the projects in the hands of the licensee shall be added. These costs shall be based on signed construction contracts, proposals, tenders or estimates. The licensee shall ensure that the actual professional credit points including bonus and extra bonus points at any time in his organisation shall not be lower by more than 20 percent for a period not exceeding twelve weeks at any one time.

(6) Licences will be granted under these bye-laws once every, calendar year and shall be valid up to the 31st December of the year of issue. A licensee may apply for upgrading the category of his licence any time after paying the prescribed fee.

6. Code of ethics.– (1) Every constructor shall uphold the honour and dignity of the construction profession, and shall be fair and honest in his business dealings. His practices and activities shall be guided by the principles of justice and equity.

(2) A constructor shall refrain from acting maliciously or recklessly in an attempt to injure the professional reputation, prospects or business of other constructors, directly or indirectly.

(3) A constructor shall provide quality service and be faithful in the performance of the undertaking.

(4) No constructor shall attempt to supplant a fellow constructor who is in the employ of the client or employer or to prevent a constructor from undertaking that which the, client or employer has engaged him to do.

(5) A constructor shall hold himself dedicated to the proposition that the construction profession shall be rid of individual whose reputation, conduct and practices are inimical to the profession.

(5a) A constructor shall promote and ensure the optimum utilization of human and material resources of Pakistan for achieving self reliance and promote indigenous materials and equipment.

(5b) A constructor shall advise his client or employer honestly about the technical and financial viability of project entrusted to him.

(5c) A constructor shall ensure the safety of men and materials associated with the work.

(5d) A constructor shall undertake engineering assignments only when he possesses adequate equipment and experienced staff.

(5e) A constructor shall not disclose confidential information concerning national security and technical details of the project to any unauthorized person or entity.

(5f) A constructor shall report unethical professional practices of an engineer employed by him or the public sector, to the Pakistan Engineering Council; and

(6) Clauses (1) to (5f) shall equally apply to an operator and the operation of projects.

7. Selection and tendering process.– (1) All construction and management and supervision of operations of engineering works shall be entrusted only to the constructors or operators as the case may be licensed as such by the Council.

(2) A foreign constructor or foreign operator wishing to perform any construction or operation of engineering works in Pakistan shall obtain an appropriate licence from the Council before initiating any activity which is a subject of these Bye-laws. The foreign constructor or foreign operator may be granted licence only for specific projects which need capacity, expertise and specialized technology of construction or operation to optimize cost and time not available with a Pakistani constructor or Pakistani operator. Any such foreign constructor or foreign operator shall enter into a joint venture agreement with the Pakistani constructor or Pakistani operator in which share of foreign constructor or foreign operator shall be limited to the expertise and technology not available with the Pakistani constructor or Pakistani operator. The establishment of a joint venture shall be subject to the condition that share of the Pakistani constructor or Pakistani operator shall not be less than thirty percent.

(3) The client or employer shall adopt an equitable method of selection of a constructor or operator for a particular project and will ensure that the following basic requirements are met namely:-

(a) An engineering work falling under a certain category must be entrusted only to those constructors or operators who are licensed by the Council in accordance with these bye-laws, either in the same category or in a higher category.

(b) A uniform system of credit points for the purpose of evaluation of the applicant's capabilities in the respect of vital elements of applicant's organisation and capacity to perform shall be established before tenders or proposals are called from prospective bidders. The various vital elements to be covered are:

(i) net worth of the applicant as on the date of application.

(ii) current ability to obtain finances and bonds (i.e. total ability less existing commitments).

(iii) current availability of applicant's construction equipment or tools required for the project (total equipment and tools owned as well as equipment irrevocably committed to be leased to the applicant on demand less current commitment and the period of their commitment).

(iv) professional experience of construction or operation of the type of proposed project, including professional personnel of required experience in full time employment of the applicant less the personnel committed on projects in hand.

(v) previous performances of the applicant on other projects and similar projects.

(vi) current licence issued by the Council; and

(vii) any other relevant factors.

(c) A provision is made in the proposed contract with the constructor or operator for the settlement of any difference by arbitration under the Arbitration Act 1940, before recourse to any other legal action.

(d) Selection is done through open and fair competition and no preference is given to any contractor or operator for reason of his being in the public or private sector.

(4) Two or more constructors or operators partially or wholly owned or directed by common individuals, regardless of the extent of their shares or interest shall not be eligible to bid or compete for the same project. Only one such constructor or operator shall be eligible to bid for a project. However, such constructors or operators may form a joint venture to bid as one venture.

(5) For award and execution of an engineering work the relevant standard form of bidding or tender document prepared by the Pakistan Engineering Council shall be adopted.

7A. ***Inspection of works.–*** (1) On receipt of the information regarding completion of a contract, the Council may designate an appropriate inspection team comprising three professional engineers with not less than ten years standing to ascertain the technical and managerial aspects of the contract, during the implementation phase and for maintenance period of the engineering work or operation.

(2) The inspection team shall submit a report to the Council regarding performance of the contractor, constructor, consultant and the management with regard to the work or operation within one month of date of inspection. However, the Council may take any action against the defaulter or wrong doer in accordance with the Act and bye-laws made thereunder.

(3) A person who obstructs, avoid or abets in obstructing the functioning of inspection team shall be considered to abet in the violation of these bye-laws and the Act.

8. Applications, renewals, fees and penalties.– (1) For initial registration change in category, and annual renewals, "up to three years on payment of prescribed fee, if desired by the applicants" the applicant for the constructor's or operator's licence shall submit application to the Council in the form prescribed in Appendix-A. The application for renewal be submitted to the Council after the 5th day of November of the year based on the constructor's or operator's status as on the date of submission of application. However, if required, the applicant shall pay a late payment fee at the rate specified in clause (3). The Council, after scrutinizing the application and obtaining any further information or clarifications from the applicant as it may deem necessary, may issue or renew the licence for the following year or refuse the same if the information supplied by the applicant, in the opinion of the Council, does not meet the requirements for grant or renewal of licence under these bye-laws. A new application may be scrutinized by the Council within 30 days of receipt and the applicant will be informed of any shortcomings or discrepancies of the documents submitted by him. Licence shall be issued or refused within 30 days of receipt of supplementary information from the applicant. In the event of no response from the applicant within 30 days the application will stand automatically rejected.

(2) A licensee shall inform the Council of any events taking place after grant of a licence to him or renewal thereof, which render him ineligible for continuation of licence in accordance with these bye-laws. On receipt of such information the Council may decide to reduce the category of licence or suspend or cancel the licence as it may deem fit.

(3) The application fee for a licence, change of category of licence, or renewal of licence shall accompany the application, and is categorized as follows:- (3)

TABLE

Category	Pakistani applicant (Rupees)	Foreign applicant (Rupees)
(1)	(2)	(3)
C-A/O-A	200,000	1,200,000
C-B/O-B	150,000	600,000
C-1/O-1	100,000	500,000
C-2/O-2	75,000	300,000
C-3/O-3	50,000	200,000
C-4/O-4	30,000	120,000
C-5/O-5	20,000	75,000
C-6/O-6	10,000	30,000

Note:– A late payment fee @ 2% per month will be charged after 31st March of the current year subject to maximum of 18% of the annual fee.

(3) Substituted vide SRO 344(I)/2013 dated 23-4-2013

(3A) Following fee criteria shall be observed for upgradation of the category of licence besides fulfillment of requirements laid down in these bye-laws, namely: – (4)

a.	one step up	fee of desired category;
b.	two step up	2 times of desired category;
c.	three step up	3 times of desired category;
d.	four step up	4 times of desired category;
e.	five step up	5 times of desired category;
f.	six step up	6 times of desired category.

(4) No consideration shall be given to any application unless the licence fee is paid with the application. The above fee is inclusive of scrutiny fee of half the amount. In the event of rejection of application, half of application fee will be refunded.

(5) Any infringement of these bye-laws by a licensee shall render him liable to punitive action by the Council as it may deem fit. Such action may amount to suspension for a specific period or cancellation of licence altogether.

(6) Submission of information to the Council by an applicant for licence or by a licensee which is found to be false or intentionally misrepresented shall be considered as misconduct and such applicant or licensee and/or the person representing such applicant or licensee shall be liable to be punished in accordance with the provisions of the Act.

(7) Any person/firm who constructs or operates an engineering work in Pakistan without any valid licence of specified category from the Council shall, besides being liable to pay to the Council a sum computed in accordance with clause (8) of this bye-law, be liable to be punished in accordance with the provisions of the Act.

(8) If it is discovered by the Council that at any time the actual professional credit points to the credit of a person/firm constructing operating projects, fall short of the requirements of pcp credit, then such defaulting person/firm shall be liable to pay to the Council a sum of Rs. 250 per day for every one professional credit point short of the specified pcp credit. This sum shall be payable by such defaulting person/firm for the entire period the pcp credit of such person/firm remains short of the specified requirements. This liability of the defaulting persons/firm shall be a debt payable by such person/firm to the Council and shall be recoverable as such, regardless of whether or not the Council takes any punitive action against the person for the offence of infringement of bye-laws or the Act.

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(4) Added vide SRO 344(I)/2013 dated 23-4-2013

(9) If at any time it is brought to the notice of the Council that any person/firm is infringing upon or is helping in the infringement of these bye-laws, the Council, before taking any action against the person/firm in accordance with the provisions of these bye-laws and the Act, may appoint an investigator or investigators being professional engineers, of not less than 10 years standing to investigate the matter by physically inspecting any record or by any other means and to report to the Council facts of the case. Any person who obstructs such investigation by an investigator appointed by the Council as aforesaid, shall be considered to abet or help in the infringement of these bye-laws and the Act.

(10) In the case of violation of any provision of these bye-laws or providing wrong information the Council shall have the power to cancel the licence granted by it.

(11) Any department or organization black listing any constructor or operator shall inform the Council indicating reasons or grounds for such blacklisting.

(12) The consulting engineer and where the consulting engineer is not appointed, the engineer incharge shall monitor the number of professional engineers employed by the constructor as per the relevant bye-laws made by the Council and inform the Council accordingly.

9. ***Application of Building Code of Pakistan (Seismic Provisions-2007).–*** (1) The provisions of the Building code of Pakistan (Seismic Provisions-2007) shall apply for engineering design of buildings, building like structures and related components.

(2) Construction of buildings in violation of the Building Code shall be considered as violation of professional engineering work as specified under clause (xxv) of section 2 of the Act.

(3) The provisions of the Building Code shall be revised by the Pakistan Engineering Council after every five years or earlier if so required by circumstances.

ILLAHI BUKHSH SOOMRO
Chairman
Pakistan Engineering Council

APPENDIX-'A'
[See bye-laws 2(aa)and 4(2)]

S.No.

PAKISTAN ENGINEERING COUNCIL
APPLICATION FORM FOR CONSTRUCTOR/OPERATOR

Registration Number _____ Present Category_____

(Year ……)

RENEWAL	UPGRADATION		NEW LICENCE	CATEGORY APPLIED FOR							
	Present Category	Category Applied for		C-A	C-B	C-1	C-2	C-3	C-4	C-5	C-6
				O-A	O-B	O-1	O-2	O-3	O-4	O-5	O-6

(Tick relevant columns)

Fields of specialization
(Supported by work orders)
(Add pages if required)

1. Name of firm/company.

2. Country of origin.

Pakistani	Foreign	Name of Country

3. Type of ownership
(Tick One Only)

3.1	Individual	3.2	Sole Proprietor
3.3	Partnership	3.4	Private Limited Company
3.5	Public Limited Company	3.6	Statutory Body

4. Mailing address.

5. Permanent address of head office.

5.1 Phone
5.2 Fax
5.3 E-mail

6. PARTICULARS OF DIRECTORS/PARTNERS/EXECUTIVES**:**

	Names and Address	Designation	PEC registration number (if any)	National Identity Card No.*	Percentage of share or No. of Shares
6.1					
6.2					
6.3					
6.4					
6.5					
6.6					

7. CAPITAL AND NET WORTH:

7.1 Authorized capital of the company/partnership Rs.

7.2 Financial Certificate from scheduled bank

7.3 Net worth as on date of application Rs.

7.4 National Tax Number

} Not valid for renewal of C-5 and C-6 Constructors/Operators cases.

8. PROFESSIONAL CREDIT POINTS (PCP)

	Names of Professional engineers	PEC registration No.	Length of experience	Partner or director, holding 15% share or more	Duration of full-time employment	Professional credit points
8.1						
8.2						
8.3						
8.4						
8.5						

(Add separate sheet if required)

8.6 Bonus PCP credit {Bye-law 5(2)}

8.7 Extra Bonus PCP credit {Bye-law 5(3)}

8.8 Total PCP credit

*Passport no. in case of foreigners**.**

9. OTHER INFORMATION: (attach sheets)

9.1	List of Major Projects Completed	(Page…)	Not valid for C-5 and C-6 Constructors/Operators cases.
9.2	List of works in progress	(Page…)	
9.3	Machinery/Equipment/Plant available with Present Condition	(Page…)	
9.4	Management Structure/ Organization Chart	(Page…)	
9.5	List and qualification of technical staff (other than engineers)	(Page…)	

10. UNDERTAKING:

It is hereby certified that the above are true statements of facts and we take full responsibility for the correctness and accuracy of the information supplied herein to the best of our knowledge and belief. This is also to certify that none of the owners/partners/directors against whose names PCP credit is claimed holds less than fifteen per cent shares in the firm/company. This is further to certify that this application fulfills the entire requirements of PEC Bye-laws for licensing of constructors/operators and we fully understand the provisions of the PEC Bye-laws and agree to abide by them.

Company/Firm Seal

Signature of Chief Executive
Name…….

Analysis by PEC HQ and recommendations

Decision for Enrolment

Chairman Enrolment Committee

FOR OFFICIAL USE ONLY

File No.	Licence No.
Date Received:	Category:
Date Approved:	

Prescribed fee of Rs. ……..…… has been received and credit vide receipt No. ……..
Dated……..Bank Draft No. ……..……Dated …….. Amount Rs. ……
Licence No. Issued ……..Dated ……...Licence valid upto …….

Signature of Scrutinizing Staff

Signature of Section Incharge

Signature of Deputy Registrar

Registrar

INSTRUCTIONS FOR FILLING IN APPLICATION FORM FOR NEW LICENCE/ RENEWAL FOR A CONSTRUCTOR/OPERATOR.

1. Before filling in the application form, please see bye-laws 4 and 8 of the Construction and Operation of Engineering Works Bye-laws, 1987.

2. Please write the name of your firm or company by which name you would like it to be called and registered. Please indicate whether you are a Pakistani firm or a foreign firm by striking out inapplicable.

3. Registration of Foreign firms: foreign firms can only be registered on project to project basis. The foreign firm must also attach the joint venture or association agreement with a Pakistani Constructor/Operator. Simultaneously, the foreign firm must also apply for registration of each engineer who is brought into Pakistan and who performs any engineering work in Pakistan (please refer to the Pakistan Engineering Council Act, 1976, in this connection).

4. Please give addresses of all your main offices and permanent branches as on the date of application.

5. The application fee for a licence, change of category of licence, or renewal of licence is as follows, which should accompany the application:- 5

Category	Pakistani applicant (Rupees)	Foreign applicant (Rupees)
(1)	(2)	(3)
C-A/O-A	200,000	1,200,000
C-B/O-B	150,000	600,000
C-1/O-1	100,000	500,000
C-2/O-2	75,000	300,000
C-3/O-3	50,000	200,000
C-4/O-4	30,000	120,000
C-5/O-5	20,000	75,000
C-6/O-6	10,000	30,000

6. For initial registration, change in category, and renewal, the applicant for the constructor's or operator's licence shall submit application to the Council in the form prescribed. The application for renewal shall be submitted to the Council by the 5th day of November of the year based on the constructor's or operator's status as on the 31st day of October of the same year. The licence shall stand expired on 31st day of December each year. If the renewal is not submitted by 31st day of March, a surcharge of 2% will be levied.

7. A licensee shall inform the Council of any events taking place after grant of a licence to him or renewal thereof, which render him ineligible for continuation of licence in accordance with the aforesaid bye-laws. On receipt of such information, the Council may decide to reduce the category of licence or suspend or cancel the licence as it may deem fit.

(5) Substituted vide SRO 344(I)/2013 dated 23-4-2013

REGISTRATION CATEGORIES AND SPECIALIZATION OF CONSTRUCTORS/ OPERATORS

CATEGORY	CODE	SPECIALIZATION	DESCRIPTION
CIVIL ENGINEERING CONSTRUCTION (CE)	CE01	Road and Pavements Drainage & Retaining Structure Signcraft Installation	Construction of road and road reinstatement, pavement, bus bays, open car parks and related works such as kerbs, footways. Installation of an integrated sign posting system for complexes, airports, shopping centres, etc. Also includes setting up of exhibition stands and road signs. Airports Taxiways, runways, aprons, aircraft parking bays, baggage handling system, track transit system, etc.
	CE02	Bridge Structures Piling	Construction of concrete, masonry, timber or steel bridges. Installation of all types of piling sheet piles, driven precast reinforced and prestressed concrete piles, bored cast in situ piles and timber piles etc.
	CE03	Marine Structures Dredging Underwater Works	Construction of marine structure such as jetties, ports, wharves, harbours, sea and river walls offshore construction works etc. Underwater construction works and maintenance of underwater construction works.
	CE04	Dams/Water Retaining Structures Irrigation & Flood Control Systems	Construction of water retaining structure such as dams, reservoirs, aqueducts, treatment plants, pipe laying works etc. Earth work/dredging in canal, river and offshore.
	CE05	Offshore Works	Offshore construction works including related works.
	CE06	Tunneling and underpinning	Tunneling and underpinning works.
	CE07	Railways Tracks	Installation of railway tracks, distressing of rails and tracks.
	CE08	Oil and Gas Pipe Lines	Installation, maintenance and repair of oil and gas pipelines.
	CE09	Sewerage Works Water Supply	Sewerage pipelines, disposal works, sewerage treatment works and allied works. Installation, maintenance and repair of water supply pipelines, pumping stations, tube wells, water treatment works etc.
	CE10	General Civil Engineering Works Slope Protection System Concrete Repairs	General civil engineering works, including earthworks, sub-soil drainage, etc. Slope protection works. Reinforcement of structures by way of pressure grouting, guniting, etc.

		Soil Investigation and Stabilization	Services include sampling, investigation and testing services to determine soil classifications, strength and composition. Also includes soil stabilization works such as micro piling, ground anchoring, sand drains and ground grouting.
		Landscaping & Horticulture	Provision of Landscaping services including tree planting, turfing, horticulture etc.
		Reclamation Works	Reclamation works.
		General Buildings and Maintenance	General building works, including fixing partitions, roofing and general maintenance of buildings.
		Waterproofing	Water proofing of basement, roofs and walls.
	BC01	Prefabricated Buildings and Steel Framed Buildings and Industrial Plants	Construction of buildings and industrial plants using prefabricated components and systems. Construction of steel framed buildings and industrial plants. Airports Terminal buildings, Satellite buildings, cargo terminals, air traffic control towers, contact piers, passenger loading bridges.
	BC02	Restoration and Conservation	Building restoration and conservation.
	BC03	High Rise Buildings	
MECHANICAL ENGINEERING (ME)	ME01	HVAC	Installation, Commissioning maintenance and repairs of air conditioning, refrigeration, cold rooms and ventilation system.
	ME02	Fire Prevention and Protection System	Installation and maintenance of fire alarms, prevention and protection systems.
	ME03	Lifts and Escalators Compressor Generators	Installation, commissioning and maintenance of lifts, escalators, travel lators and conveyor systems.
	ME04	Building Automation System	Building automation, industrial and process control systems, include installation and maintenance of microprocessors or computer based building control systems and industrial process control systems.
	ME05	Workshop, Mill, Quarry System	Installation, commissioning and maintenance of workshop, mill and quarry systems such as cranes, hoist, crushing and screening plant, asphalt mixing plant, etc.
	ME06	Specialized Fabrication and Treatment	Erection, maintenance and repair of exhaust stocks, tanks, reactors, separators, filters, scrubbers, dehydrators, evaporators, pipings, furnaces, grit blasting and painting, hot and cold insulation, flare system, bearing and welding.
		Medical Equipment	Installation, commissioning and maintenance of medical equipment such as: - Compressed air systems - Hot water installation

			- Sterlizer and autoclave - Medical gas installation - Hydrotherapy system - Dental chair - Mortuary refrigerator etc.
		Kitchen and Laundry Equipment	Installation, commissioning and maintenance of cooking and kitchen equipment, laundry equipment, etc.
		Heat Recovery System	Installation, commissioning maintenance and repair of boiler plant, heat exchangers, absorption chillers, unfired pressure vessels and hot water systems, etc.
		Pollution Control System	Landfill technology, incinerator, oil separators.
		Miscellaneous Mechanical Equipment	Installation, testing commission, maintenance and repair of mechanical based systems such as pumping installation, sewerage treatment plant installation, water treatment plant installation, rotary pumps, reciprocating pumps, centrifugal pumps and special purpose pumps, etc.
		Chiller for Power Generation	Installation, maintenance and repair of gas turbine driven chiller, steam turbine driven chiller and centrifugal chiller.
		Specialized Plant	Erection, maintenance and repair of compressor station, metering station, onshore terminal station, co-generation plant, gas processing plant, petrochemical plant, oil refinery, aviation re-fuelling and de-fuelling system, petrol station, heating ventilation and air-conditioning.
ELECTRICAL ENGINEERING (EE)	EE01	Sound System	Public address system, audiovisual system, conference system, intercom system and MAT.
	EE02	Security, Safety Surveillance System	Installation and maintenance of security, safety and surveillance systems (security, alarm, car park security control and card access control systems. CCTV, sensor/ detection system, vibration monitoring system, gas protection system, platform alarm system, aircraft warning system, fire protection system and earthing and lighting protection.
	EE03	Building Automation System and Energy Generation System	Building Automation, industrial and process control system, included installation and maintenance of microprocessors or computer based building control systems and industrial process control systems, includes installation and maintenance of energy generation systems.
	EE04	Low Voltage Installation	General wiring and control system wiring

			works not exceeding 1KV. Installation and maintenance of low tension overhead lines and underground cabling not exceeding 1KV. Also includes installation and maintenance of generating plant and equipment not exceeding 1KV.
	EE05	High Voltage Installation	Installation and maintenance of high voltage equipment and underground cabling, high-tension overhead line including transmission tower exceeding 1KV. Also includes installation and maintenance of generator plant and equipment exceeding 1KV.
	EE06	Specialized Lighting System	Installation and maintenance of street lighting, stadium floodlighting, traffic lighting, airfield lighting, high mast lighting installation, laser system, stage lighting, special effect lighting, navigational aid, underwater lighting, platform lighting, petrochemical plant lighting, oil refinery plant lighting, etc
ELECTRONICS ENGINEERING	EE07	Telecommunication Installation	Telephone cabling and internal ducting, radio based communication system, PABX, microwave system, multiplex and signalling troposcatter system, satellite system, radar surveillance system, data communication equipment, remote subscriber system, vessels and navigational specialized system, etc.
	EE08	External Telecommunication Works	Telecommunication cabling (underground/ overhead), manholes, underground ducting/ pipes.
	EE09	IT & Software Engg.	
	EE10	Miscellaneous Specialized	Installation, commissioning and maintenance of surgical/operating theater table and lights, radiography equipment, radiotherapy equipment, nurse call system, electronic scoreboard, uninterruptible power supply (UPS) system, etc.
		Any other works*	Any work not covered in above categorization and description relevant to any engineering discipline.

*Provide herein code(s) (CE11, BC04, ME07, EE11) as applicable and define work.

APPENDIX – 'B'
[See bye-law 2(o) and 5(1)]

UNDERTAKING BY ENGINEER

I ……, adult, resident of …….. do hereby solemnly declare as under:-

1. That I am registered as a …… and a certificate of registration bearing No. ……..……. dated ……. has been issued by the Pakistan Engineering Council which has been renewed up to …….

2. That I am presently employed on regular/fulltime basis with …… ……..... since …… …… and presently hold the position of …….. I further state that I am not employed on any other assignment with any other private firm, government agency, office or bureau of any other consulting engineer.

3. That I undertake to intimate the Pakistan Engineering Council about my disassociation with the above-mentioned employer within thirty days of the same.

4. That I have enclosed with this undertaking my following document:-

   a. Copy of National Identity Card
   b. Copy of PEC Registration Card (Renewed)
   c. Curriculum vitae as per specimen on page-11
   d. Copy of appointment letter of the Firm/Company
   e. Proof of monthly salary received from the firm

5. That I have not ever incurred any disqualification in any manner under the Pakistan Engineering Council Act and Bye-laws (if in the past any disqualification was incurred please mention material detail).

6. That the contents of the above mentioned undertaking are true to the best of my knowledge, belief and information received and nothing has been concealed therefrom.

_____
DEPONENT

I.D.CARD NO._____

DATE: _____

PLACE: _____

CURRICULUM VITAE OF A PROFESSIONAL ENGINEER WORKING FULL-TIME FOR A CONSTRUCTOR/OPERATOR REQUESTING PEC LICENCE

Name: _____ Age: _____ Sex: _____ Res. Address _____ Tel. No. _____ Date of Birth: _____ Nationality: _____ I.D.Card No. _____ PEC Registration No. _____

EDUCATION	NAME OF COLLEGE/ UNIVERSITY	INCLUSIVE PERIOD OF ATTENDANCE	HONOR/DIVISION RECEIVED
B.Sc/B.E. Engineering			
M.S/M.Sc Engineering			
Ph.D Engineering			

RECORD OF IN-SERVICE TRAINING

TRAINING COURSE	PERIOD OF TRAINING	CONDUCTED BY

EMPLOYMENT RECORD (AFTER PROFESSIONAL QUALIFICATION)

INCLUSIVE DATE FROM TO	NAME AND ADDRESS OF ORGANIZATION	TYPE OF ORGANIZATION	DESIGNATION OR POSITION	LENGTH OF SERVICE YR-MO

Total length of Service _____

I certify that the above information is true to the best of my knowledge and belief and that I have expert knowledge and specialization in the following types of projects. (List not more than three).

Project code	Project Profile
12…	
12…	
12…	

_____
Signature of Professional Engineer/Allied Professional

PERFORMANCE CERTIFICATE
(For each major work during last five years)

NAME OF EMPLOYER

NAME OF PROJECT

STARTING DATE

ORIGINAL COMPLETION DATE

ACTUAL COMPLETION DATE

DELAY PERIOD

LIQUIDATED DAMAGES

ORIGINAL CONTRACT VALUE

VALUE OF WORK DONE UPTO FINAL BILL

ENGINEERS EMPLOYED DURING THE EXECUTION OF THE WORK
(Name including father's name and PEC Registration No.)

a.

b.

c.

d.

QUALITY OF WORK EXECUTED AND REMARKS BY EMPLOYER

CONTRACTOR
(Name of firm and category with official seal)
(Signatures of Chief Executive)

EMPLOYER
(Signatures, Name and official seal)

CERTIFICATE OF EACH WORK IN HAND

NAME OF EMPLOYER

NAME OF PROJECT

STARTING DATE

PERCENTAGE OF WORK DONE WITH DATE

ACTUAL COMPLETION DATE

DELAY PERIOD

LIQUIDATED DAMAGES

ORIGINAL CONTRACT VALUE

VALUE OF WORK DONE UPTO LAST BILL

ENGINEERS EMPLOYED DURING THE EXECUTION OF THIS WORK
(Name including father's name and PEC Registration No.)

a.

b.

c.

d.

QUALITY OF WORK EXECUTED AND REMARKS BY EMPLOYER

CONTRACTOR	EMPLOYER
(Name of firm and category with official seal) Signatures of Chief Executive	(Signatures, Name and official seal)

APPENDIX - 'C'
[See bye-law 4(1)]

Serial No.
PEC – 5A

PEC
INSIGNIA

PAKISTAN ENGINEERING COUNCIL

Licence No. …….. Category …….. Validity ……

LICENCE OF PAKISTANI CONSTRUCTOR/OPERATOR
(Under the bye-laws of Pakistan Engineering Council)

This is to certify that ……(Licensee) with its registered office at …….. has/have licenced under Construction and Operation of Engineering works Bye-laws, 1987, until the validity date of construct/operate engineering works, the construction/ capital cost of which does not exceed Rs. ……. million; provided the licensee fulfils all the qualification requirements prescribed by Client or Employer for a particular engineering works; and subject to the licensee continuing to fulfill all the requirements of the bye-laws.

Field of Specialization
……..……
…….. *(Specialization Code No. for detail see overleaf)*

Date of Issue ……..

Registrar
Pakistan Engineering Council
Islamabad

Note: 1. This Certificate of Registration is valid until 31st December ……. It should be renewed on payment of the required fee before the next year. Application of renewal for the next year should be submitted by 5th November ……..

2. Names of Professional Engineers working with the firm are shown on the reverse. The Consulting Engineer (the Engineer Incharge in case if consultant is not appointed) shall monitor the number of engineers employed by the Constructor and inform the Council accordingly.

REVERSE SIDE OF APPENDIX 'C'

S. No.	Names of Professional Engineers	Registration No.

Registration Categories and Specialization of Pakistani Constructors/Operators

CODE	SPECIALIZATION	CODE	SPECIALIZATION
CE01	Road and Pavements Drainage & Retaining Structure Singcraft Installation	ME03	Lifts and Escalators Compressor Generators
CE02	Bridge Structures Piling	ME04	Building Automation System
CE03	Marine Structures Dredging Underwater Works	ME05	Workshop, Mill, Quarry System
CE04	Dams/Water Retaining Structures Irrigation & Flood Control Systems	ME06	Specialized Fabrication and Treatment Medical Equipment Kitchen and Laundry Equipment Heat Recovery System Pollution Control System Miscellaneous Mechanical Equipment Chiller for Power Generation Specialized Plant
CE05	Offshore Works	EE01	Sound System
CE06	Tunneling and Underpinning	EE02	Security, Safety Surveillance System
CE07	Railway Tracks	EE03	Building Automation System and Energy Generation System
CE08	Oil and Gas Pipe Lines	EE04	Low Voltage Installation
CE09	Sewerage Works Water Supply	EE05	High Voltage Installation
CE10	General Civil Engineering Works Concrete Repairs Soil Investigation and Stabilization Landscaping & Horticulture Reclamation Works General Buildings and Maintenance Waterproofing	EE06	Specialized Lighting System
BC01	Prefabricated Buildings and Steel Framed Buildings and Industrial Plants	EE07	Telecommunication Installation
BC02	Restoration and Conservation	EE08	External Telecommunication Works
BC03	High Rise Buildings	EE09	IT & Software Engg
ME01	HVAC	EE10	Miscellaneous Specialized
ME02	Fire Prevention and Protection System	*	Any other Works

*Provide herein codes(s) (CE11, BC04, ME07, EE11) as applicable and define work.

APPENDIX 'E'
[See bye-law 4(11)(a)]

Serial No.
PEC-5C

PEC
INSIGNIA

PAKISTAN ENGINEERING COUNCIL

Licence No. ……. Category …….. Validity …….

LICENCE OF FOREIGN CONSTRUCTOR/OPERATOR
(Under the bye-laws of Pakistan Engineering Council)

This to certify that M/s. ……(Licensee) with its registered office at …….. has/have been licenced under Construction and Operation of Engineering Works Bye-laws, 1987, for the project stated below, the construction/capital cost of which does not exceed Rs. ……. Million; as per following particulars:-

1. Name of Joint Venture Partner(s) ……...……..
2. Name of the Lead Partner in the Joint Venture …….……
3. Name of the Project for which licence granted ……. ……..
4. Field of Specialization …….…….
   (Specialization Code Nos. for detail see overleaf)

Date of Issue …….

Registrar
Pakistan Engineering Council

Note: 1. This licence is valid for the project named above. The foreign constructor/foreign operator is required to acquire fresh licence registration certificate for any other project even if the joint venture partner(s) remains unaltered.

2. Names of Professional Engineers working with the firm are shown on the reverse. The Consulting Engineer (the Engineer Incharge in case if consultant is not appointed) shall monitor the number of engineers employed by the Constructor and inform the Council accordingly.

REVERSE SIDE OF APPENDIX 'E'

S. No.	Names of Professional Engineers	Registration No.

Registration Categories and Specialization of Foreign Constructors/Operators

CODE	SPECIALIZATION	CODE	SPECIALIZATION
CE01	Road and Pavements Drainage & Retaining Structure Singcraft Installation	ME03	Lifts and Escalators Compressor Generators
CE02	Bridge Structures Piling	ME04	Building Automation System
CE03	Marine Structures Dredging Underwater Works	ME05	Workshop, Mill, Quarry System
CE04	Dams/Water Retaining Structures Irrigation & Flood Control Systems	ME06	Specialized Fabrication and Treatment Medical Equipment Kitchen and Laundry Equipment Heat Recovery System Pollution Control System Miscellaneous Mechanical Equipment Chiller for Power Generation Specialized Plant
CE05	Offshore Works	EE01	Sound System
CE06	Tunneling and Underpinning	EE02	Security, Safety Surveillance System
CE07	Railway Tracks	EE03	Building Automation System and Energy Generation System
CE08	Oil and Gas Pipe Lines	EE04	Low Voltage Installation
CE09	Sewerage Works Water Supply	EE05	High Voltage Installation
CE10	General Civil Engineering Works Concrete Repairs Soil Investigation and Stabilization Landscaping & Horticulture Reclamation Works General Buildings and Maintenance Waterproofing	EE06	Specialized Lighting System
BC01	Prefabricated Buildings and Steel Framed Buildings and Industrial Plants	EE07	Telecommunication Installation
BC02	Restoration and Conservation	EE08	External Telecommunication Works
BC03	High Rise Buildings	EE09	IT & Software Engg
ME01	HVAC	EE10	Miscellaneous Specialized
ME02	Fire Prevention and Protection System	*	Any other Works

* Provide herein codes(s) (CE11, BC04, ME07, EE11) as applicable and define work.